# Ashuha Arseniy
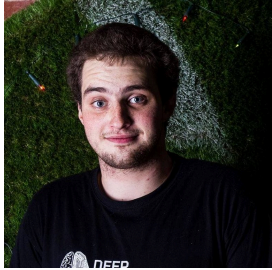
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## Summary

I am a second year Master Student at MIPT, I do research at Bayes Group under supervision of prof. Dmitry Vetrov. My research is focused on Bayesian regularization of deep neural nets. At MIPT I work as a teacher assistant for some Machine Learning courses. Also, I am an irregular student of Yandex School of Data Analysis.

**Skills**: Machine Learning, Deep Learning, Bayesian ML, Python, Hadoop, Hive, Linux, English (B2)

## Education

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|---|---|
| **2011 - 2015** | Bachelor, *Computer Science*, Bauman Moscow State Technical University, GPA: 3.7/5.0 |
| Thesis | *Identification of unique kernels in topic models*, Supervisor: N. Loukachevitch (MSU) |
| **2015 - 2017** | Master, *Machine Learning*, Moscow Institute of Physics and Technology, GPA: ?/5.0 |
| Thesis | *Regularization of Deep Neural Nets*, Supervisor: Prof. D. Vetrov (HSE), A. Dral (MIPT) |
| **2015 - 2017** | Irregular Student, *Machine Learning*, Yandex School of Data Analysis, GPA: 4.8/5.0 |
| Result | *Six courses were passed and the favorites are Bayesian ML, Deep Learning, Machine Learning* |

## Teaching

- **2016 - Now:** Teacher Assistant, University Course at MIPT, Machine Learning (parts 1,2), ml-mipt.github.io (RU)
- **2016 - Now:** Teacher Assistant, Additional Course at MIPT, Machine Learning in Action, vk.com/ml_in_action (RU)
- **2016 - Now:** Preparing and checking some tasks for several courses like DL, BMML, LA in SDA, MSU, HSE

## Experience

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|---|---|
| **Jun 2016 - Aug 2016** <br> 3 month | **Yandex**, Moscow — Intern at Music Deep Learning Group (E. Krofto) <br> • Searching similar tracks and building recommendation features using DNN |
| **Dec 2013 - Feb 2016** <br> 2 year 1 month p/t | **Rambler**, Moscow — R&D Engineer at ML Group (A. Gorokhov, P. Klemenkov) <br> • Improving the quality of classification users using browser history <br> • Recommendations system for the news posts on rambler.ru <br> • Optimization performance of users classification <br> • Application of topic models to building users features |
| **Jun 2013 - Aug 2013** <br> 3 month | **Rambler**, Moscow — Intern at Search Group (M. Karpenko) <br> • Users query classification to show a mixing in search results |

## Publications

1. Dmitry Molchanov, Arseniy Ashuha and Dmitry Vetrov
   Dropout-based Automatic Relevance Determination
   *Bayesian Deep Learning Workshop, Neural Information Processing Systems 2016*

2. Arseniy Ashuha and Natalia Loukachevitch
   Bigramm Anchor Words Topic Model
   *International Conference on Image Analysis, Social Networks and Texts 2016*